**Evaluate Techniques for Wifi Locationing**

MAIN OBJECTIVE

Using "wifi fingerprinting" to determine a person's location in indoor spaces.

EXPLORATORY ANALYSIS

DATA GIVEN

Large database of wifi fingerprints for a multi-building industrial campus with a location (building, floor, and location ID) associated with each fingerprint.

The main characteristics of the database are:

It covers a surface of 108703m2 including 3 buildings with 4 or 5 floors depending on the building.

The number **of different places (reference points) appearing in the database is 933.**

**21049 sampled points** have been captured: **19938** for training/learning and **1111** for validation/testing.

Dataset independence has been assured by taking Validation (or testing) samples 4 months after Training ones.

The number of **different wireless access points** (WAPs) appearing in the database is **520**.

Data were collected by more than **20 users using 25 different models** of mobile devices (some users used more than one model).

VARIABLES:

* WAP 001-520:
* LONGITUDE
* LATITUDE"
* "FLOOR"
* "BUILDINGID"
* "SPACEID"
* "RELATIVEPOSITION"
* "USERID"/"PHONEID"
* "TIMESTAMP"